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WPI ACC NO: 1984-158808/198426

Partially esterified or amidated lactic or glycolic acid oligomers - for preparing delayed release formes of pharmaceuticals e.g. calcitonin and bromocriptine

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Patent Family (16 patents, 8 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
BE 898430	A	19840612	BE 898430	A	19831212	198426 B
DE 3345314	A	19840705	DE 3345314	A	19831215	198428 E
FR 2537980	A	19840622	FR 198319976	A	19831212	198430 E
GB 2135320	A	19840830	GB 198333289	A	19831214	198435 E
JP 59130252	A	19840726	JP 1983238721	A	19831216	198436 E
CH 651475	A	19850930	CH 19827372	A	19821217	198542 E
			CH 19827373	A	19821217	
GB 2165454	A	19860416	GB 198527420	A	19851107	198616 E
GB 2165849	A	19860423	GB 198527421	A	19851107	198617 E
GB 2166652	A	19860514				198620 E
GB 2165454	B	19870311				198710 E
GB 2166652	B	19870311				198710 E
GB 2135320	B	19870429				198717 E
CH 660488	A	19870430	CH 19827372	A	19821217	198720 E
			CH 19827373	A	19821217	
CH 663718	A	19880115	CH 19827372	A	19821217	198807 E
			CH 19827373	A	19821217	
US 4801739	A	19890131	US 1983562470	A	19831216	198907 E
IT 1197759	B	19881206				199113 E

Priority Applications (no., kind, date): CH 19827372 A 19821217; CH 19827373 A 19821217

Alerting Abstract BE A

The oligomers have a mol. wt. of 500-10,000. The free carboxy gp. of the oligomer is at least partially in the form of an amide gp. with an aminoacid or in the form of an ester gp. with a sterol. The prods. pref. have an acid index of 1.5 or less.

Used for prepn. of delayed release forms of pharmacologically active cpds. The oligomers allow a sufficiently long release time for the active cpds. e.g. several weeks, and are appropriate for use with a wide variety of active cpds., such as those soluble in water. The oligomers are easy to manipulate, are less adhesive than polymers having free acid gps. and may be administered in the form of microcapsules (e.g. 10-60 microns) by a

syringe, e.g. intramuscularly or sub-cutaneously.

Equivalent Alerting Abstract US A

Modified oligomer comprises units of lactic acid and/or glycolic acid.

The oligomer moiety has a mol. wt. of 500-10,000, pref. 750-5000, in which the terminal carboxy gp. is in the form of an amide or an alpha amino acid, pref. an alpha amino acid amide, esp. phenylalanine.

Pref. the oligomer moiety contains lactic acid units.

USE - New oligomer is useful in the prod. of depot forms of pharmacologically active agents including salmon calcitonin and bromocriptine.

USE - (7pp)